



Sony VAIO VPC-EB33FM Display Replacement

The purpose of this installation guide is to provide instructions on removing and installing the display of the Sony VAIO VPC-EB33FM laptop.

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INTRODUCTION

This guide will inform readers on how to safely uninstall the display of the Sony VAIO VPC-EB33FM laptop.



TOOLS:

- [Tweezers](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)



PARTS:

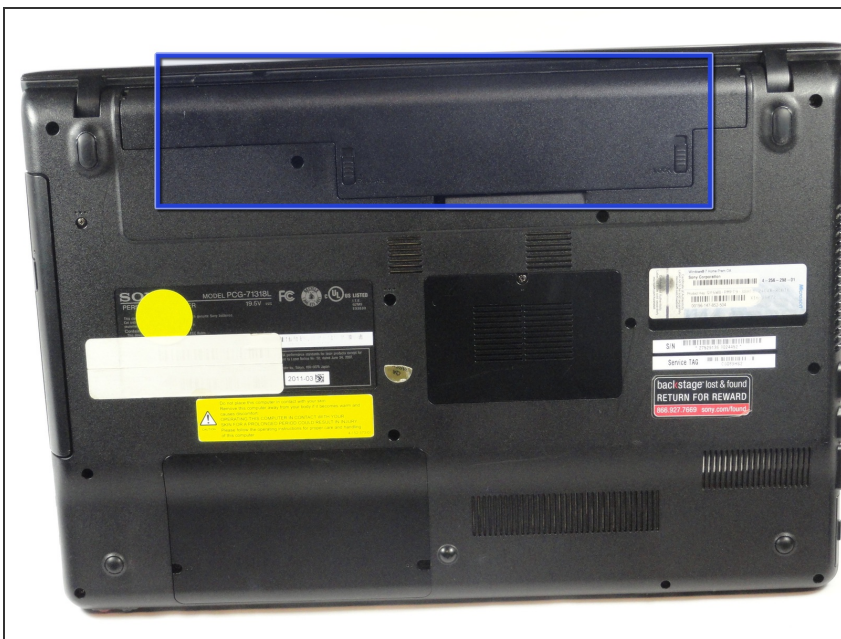
- [SONY VAIO VPC-EB33FM/BJ REPLACEMENT LAPTOP LCD SCREEN](#) (1)

Step 1 — Battery



- If the laptop isn't turned off, then do so by holding down the power button.
- Turn the laptop onto its backside.

Step 2



- Locate the battery below the screen attachment.
- ⓘ The battery is shaped as a long rectangle with rounded edges.

Step 3



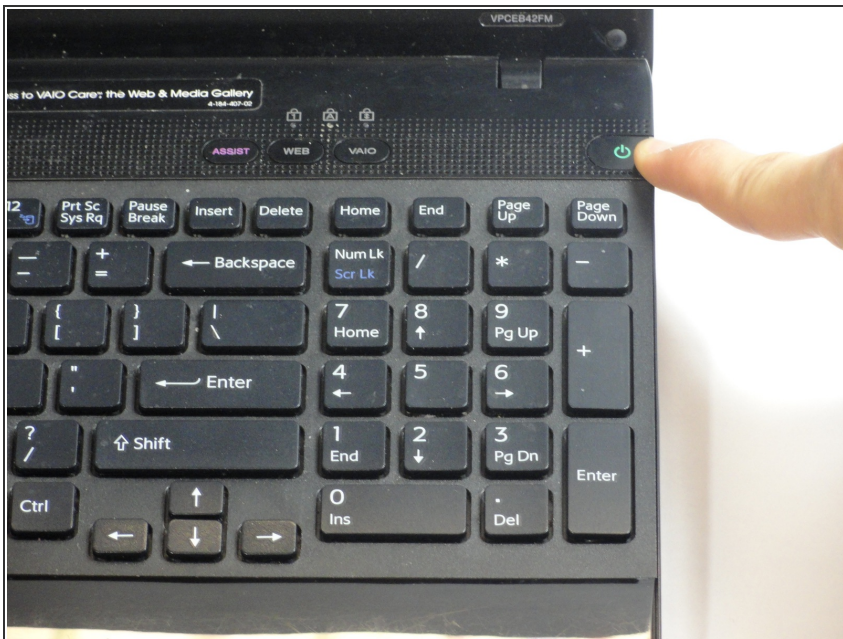
- Press into the release button while holding the unlock button in position.

Step 4



- Lift the battery out at the notch while holding the release button.

Step 5 — Hard Drive



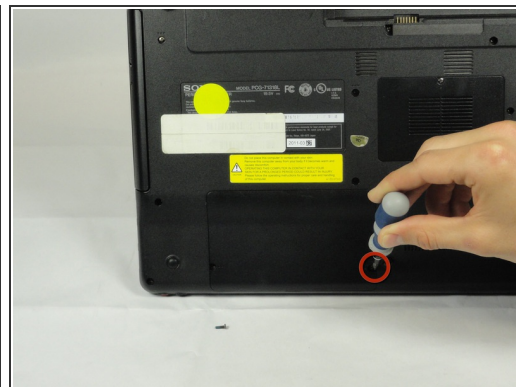
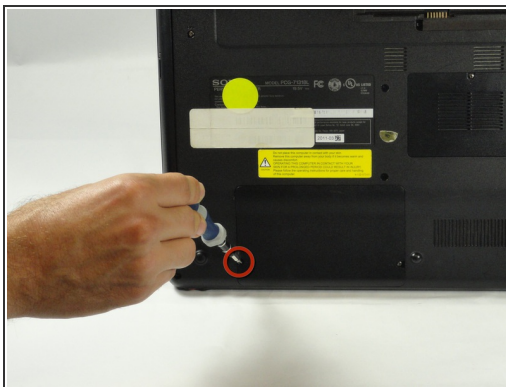
- Remove all charge from the laptop by holding down the power button for at least 5 seconds.

Step 6



- Turn laptop onto its backside and locate the hard drive cover panel.

Step 7



- Use a Phillips #00 screwdriver to remove the two 7.75-mm cover screws on the bottom corners of the panel.

Step 8



- Use a finger/fingernail to grip the notch at the bottom of the panel to lift it off.
- ⓘ You may need to use your other hand to safely remove the panel.
- ⓘ You can also use a spudger for this step

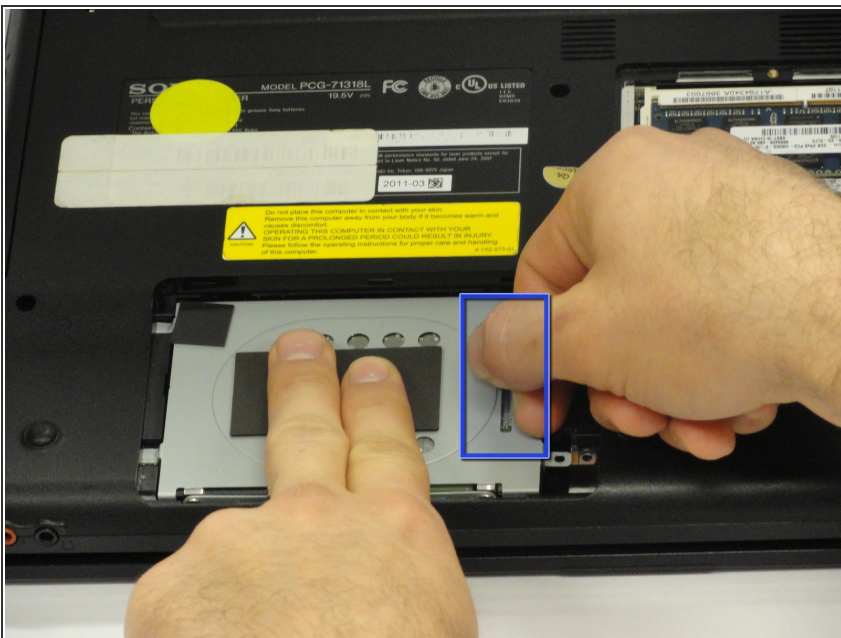
Step 9



i The hard drive should now be exposed.

- Remove the two remaining 7.75-mm screws using the Phillips #00 screwdriver.

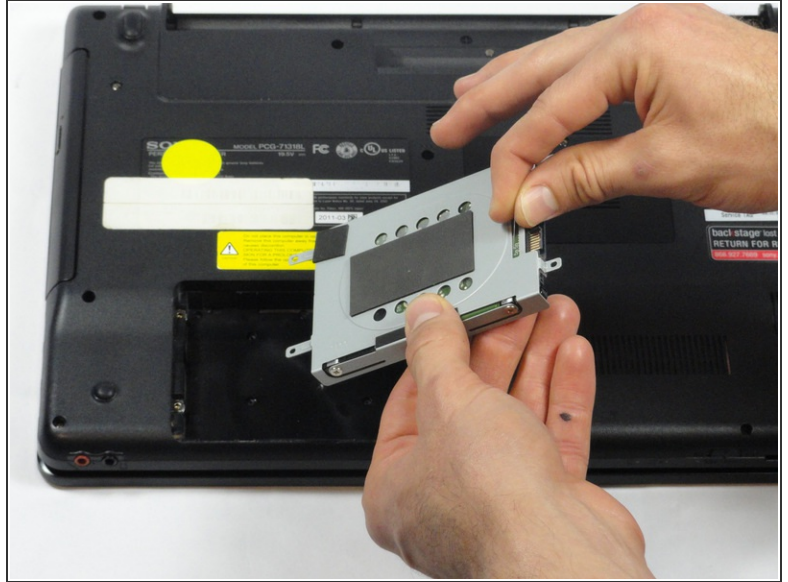
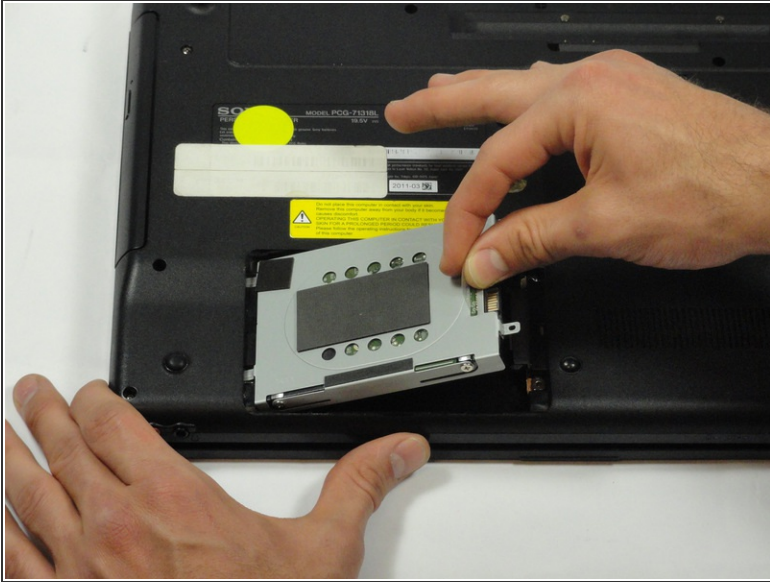
Step 10



- Grab the tab between your thumb and index finger.
- Hold the hard drive securely in a horizontal position using your other hand.
- Push the hard drive to the left using the plastic tab to disconnect it from the laptop.

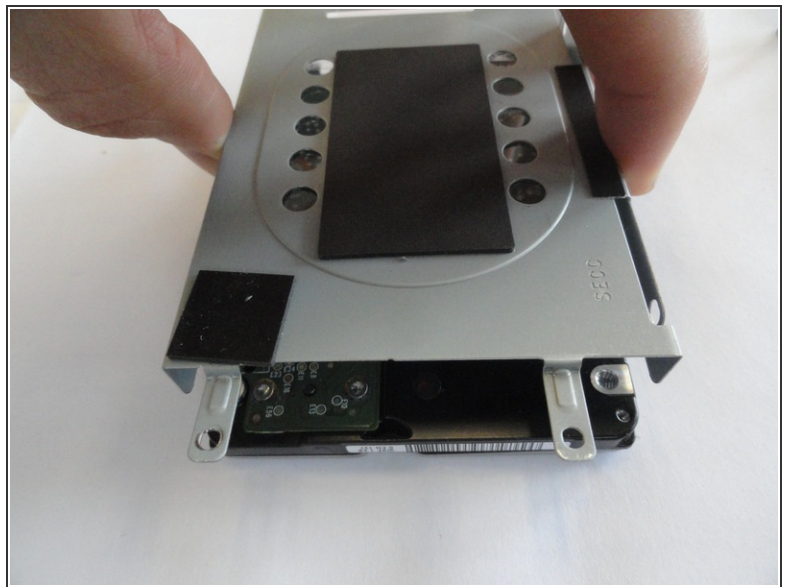
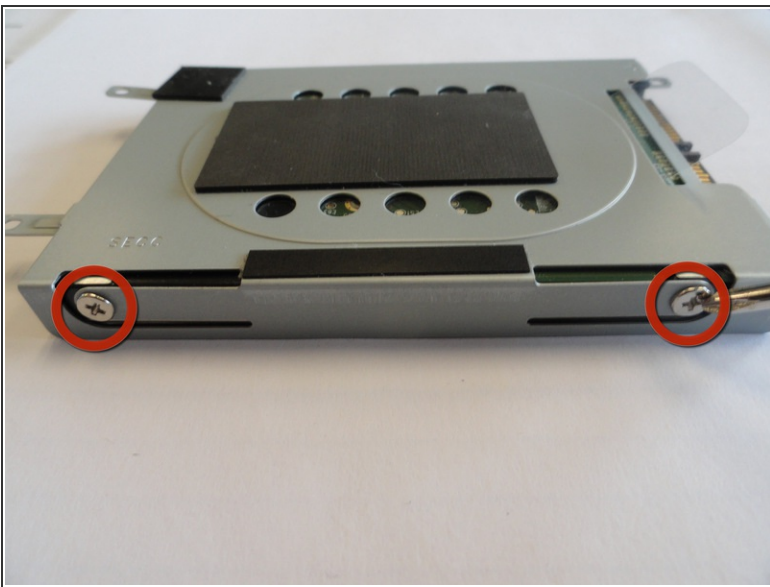
! To prevent damage of the connection on the hard disk drive or the laptop, perform this task slowly and with care.

Step 11



- While still holding the plastic tab, lift the right side of the hard drive out at a 45° angle.
- Pull the hard drive out.

Step 12



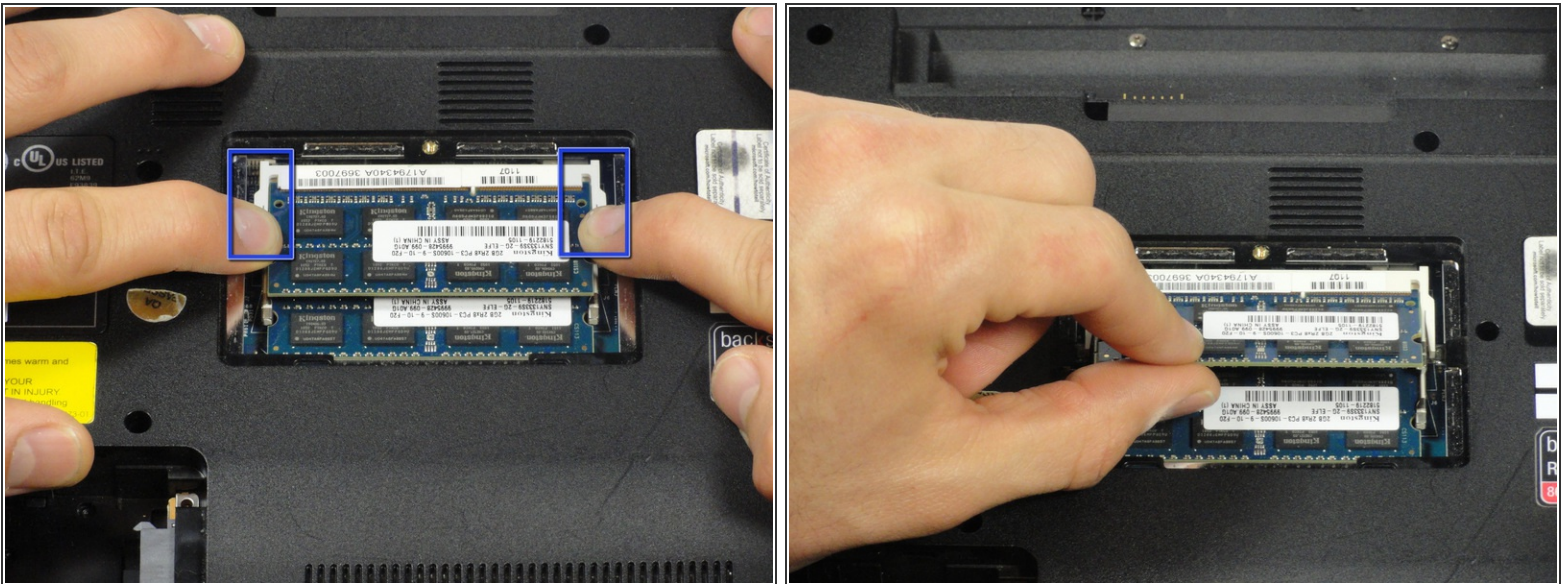
- If you need to remove the bracket from the hard drive, follow the next few steps:
 - Remove the two 3.67-mm screws from either side of the bracket with a Phillips #00 screwdriver.
 - Lift the bracket off the hard drive.

Step 13 — RAM



- Remove the one screw with a Phillips #00 screwdriver.
- ❗ The screw cannot be removed from the RAM casing cover.

Step 14



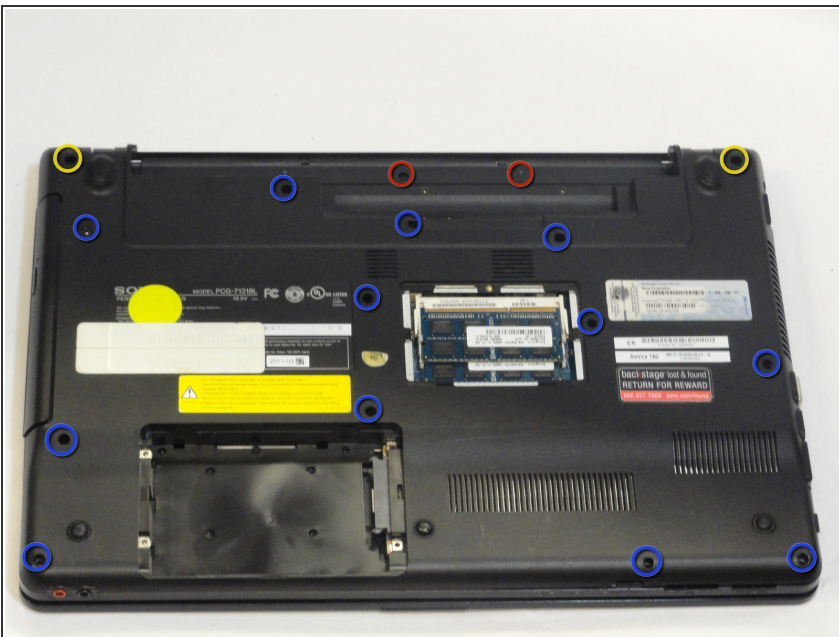
- Pull the two retaining arms away from the center of the RAM chip.
- The RAM will make a "pop" sound and the RAM stick will rise for ease of handling.

Step 15



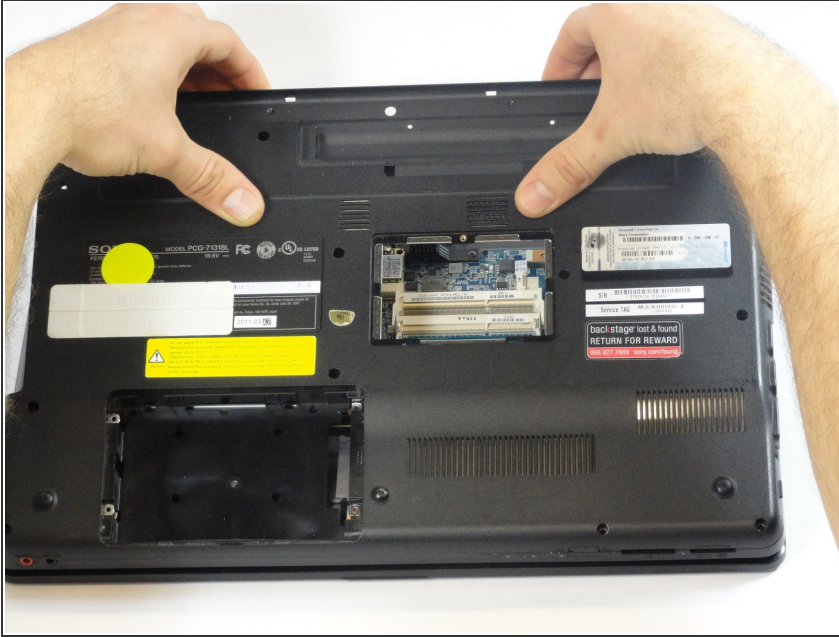
- Pull the RAM stick out of its socket.
- To remove the second stick of RAM, repeat steps six and seven.
- When installing RAM, make sure sticks are firmly in place or the computer will not register them.


Step 16 — Keyboard



- Using a Phillips #00 screwdriver remove the following screws securing the back cover :
 - Two 3.8-mm screws
 - Two 8.9-mm screws
 - Twelve 7.75-mm screws

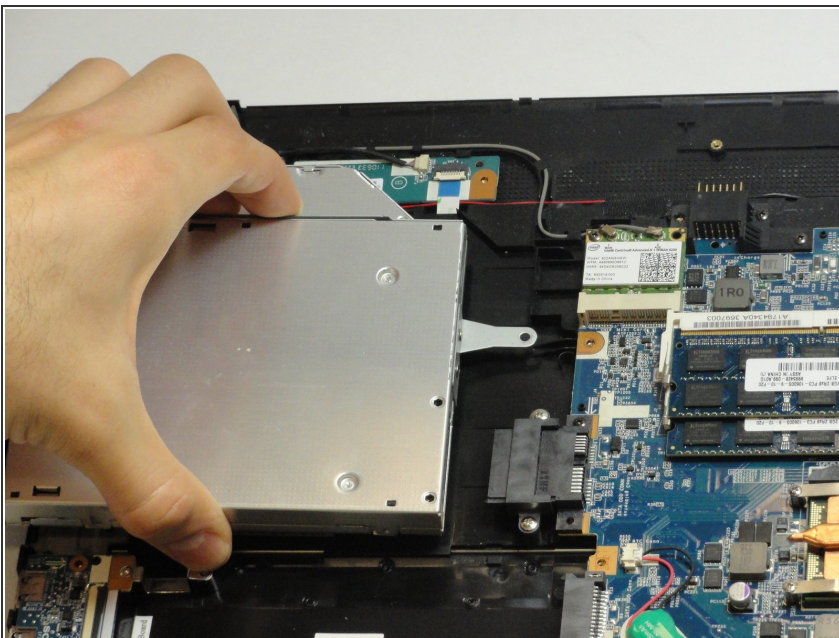
Step 17





 Check to make sure all screws have been removed.

- Using both hands separate the back cover by lifting from the back and working around the perimeter to release tabs.

Step 18



 Uninstalling the keyboard may require a second set of hands.

 During the removal of the back cover, a screw that attaches the optical drive to the laptop is also taken out. This means the optical drive is ready to be removed.

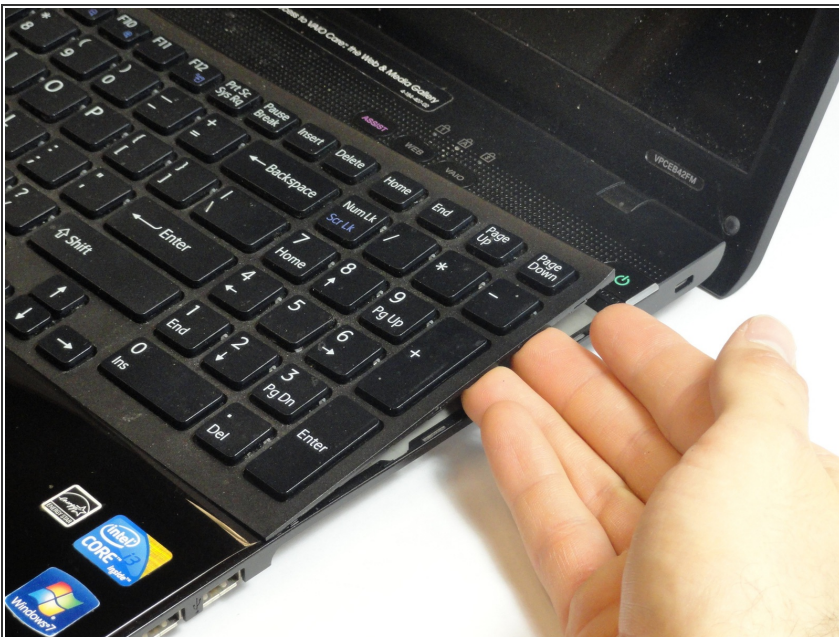
- Remove the optical drive by sliding it out.

Step 19



- Once the optical drive is removed, locate the keyboard eject button and press down on it until you hear a snap.
- ① Once you hear this sound, it means that a section of the keyboard has been ejected.

Step 20



- Turn the laptop onto its frontside and unfold the laptop so the keyboard is fully visible.
- Locate the area where the section of the keyboard was ejected.

Step 21



- Start to pry out the keyboard with your hands.
- ⚠ Be careful not to break any of the hooks that attach the keyboard to the laptop.
- 📎 If it seems difficult to remove the keyboard with your hands, then use a plastic opening tool.

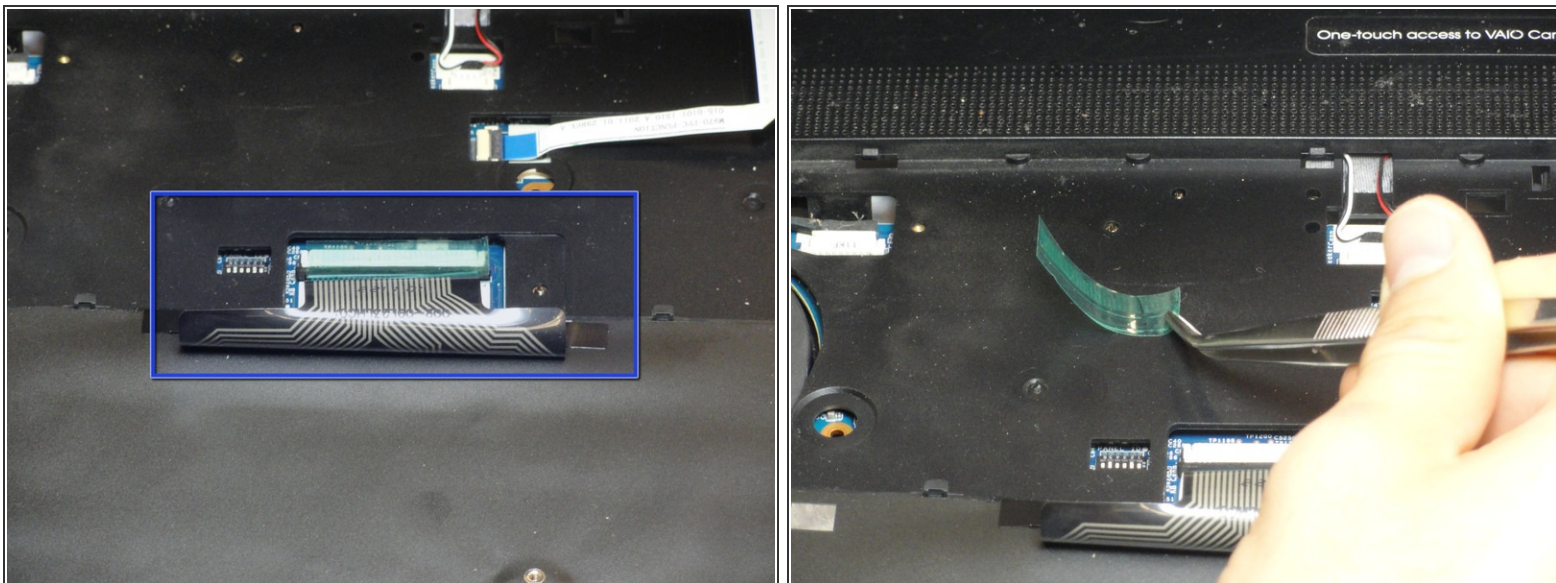
Step 22




i Remain cautious to not break the hooks.

- Continue all the way around the keyboard until you can detach it from the laptop.

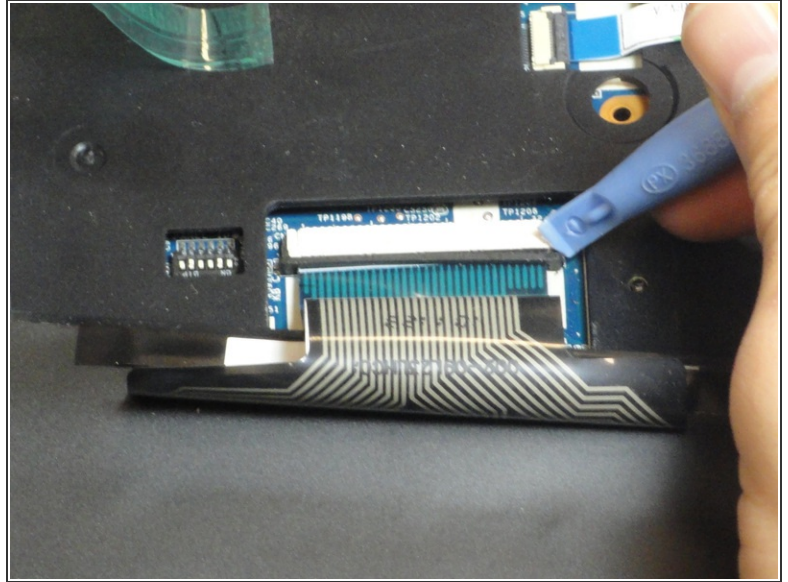
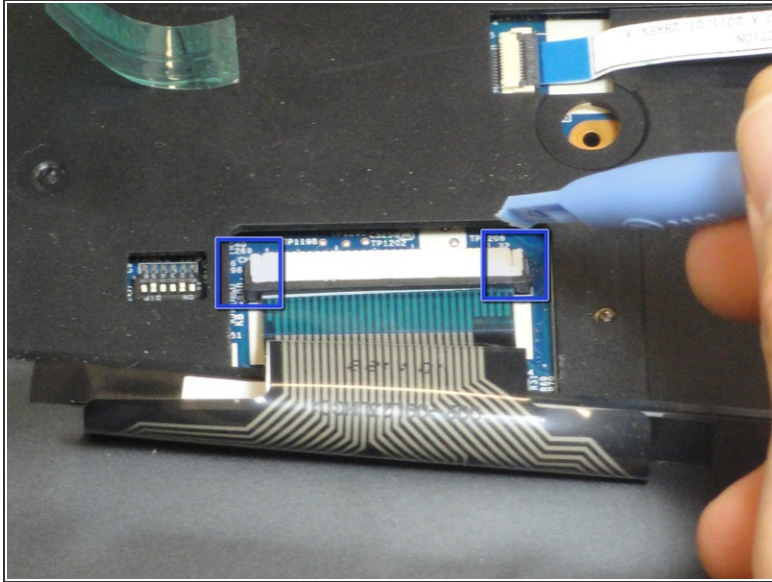
Step 23



 Do not immediately pull the keyboard away from the laptop. There is still an attachment between the keyboard and laptop.

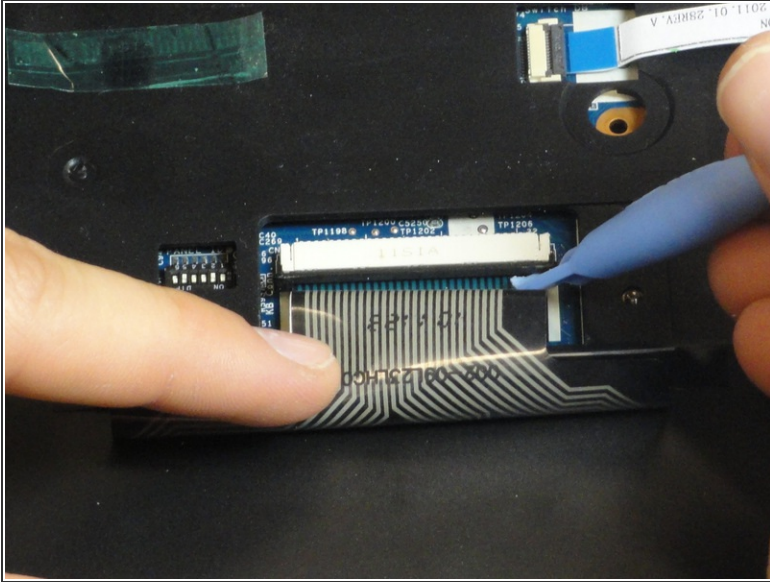
- Turn the keyboard on its face and locate the green tape and the ribbon attachment.
- Using the metal tweezers, remove only the green sticker.
- Place the sticker at any location as long as you remember to use it for installing the keyboard.

Step 24



- Locate the black retaining arms.
 - Using the plastic opening tool, pull the retaining arms out.
- i** The retaining arms will not come off completely.

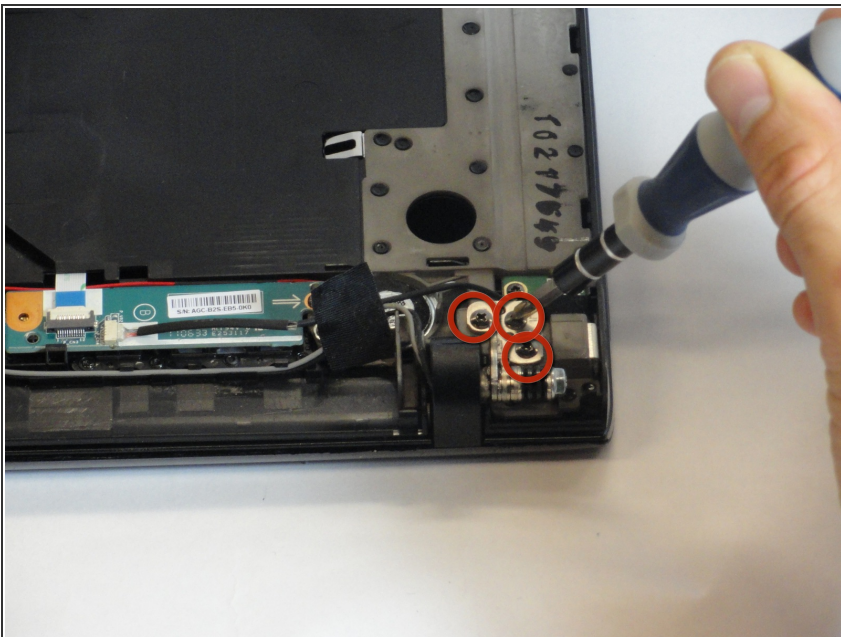
Step 25



i It is safe to touch the ribbon attachment.

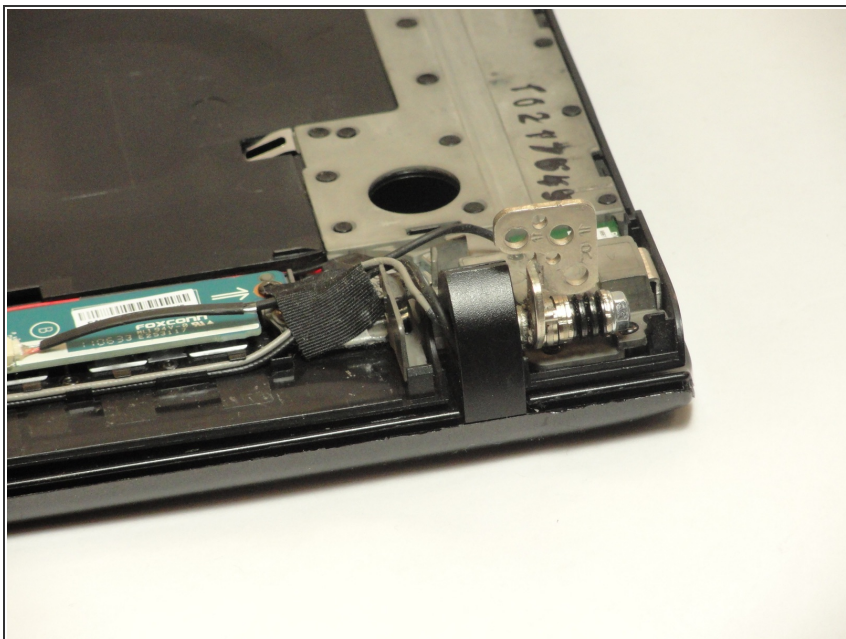
- Lift the retaining arms with the plastic opening tool at an angle so that the ribbon attachment can be pulled out.

Step 26 — Display



- Use a Phillips #1 screwdriver to remove the three 8.88-mm screws attached to the metal hinge at the corner of the laptop.
- Repeat for the three screws on the opposite corner.

Step 27



- Lift the metal hinges on each corner to a 90° angle.

Step 28



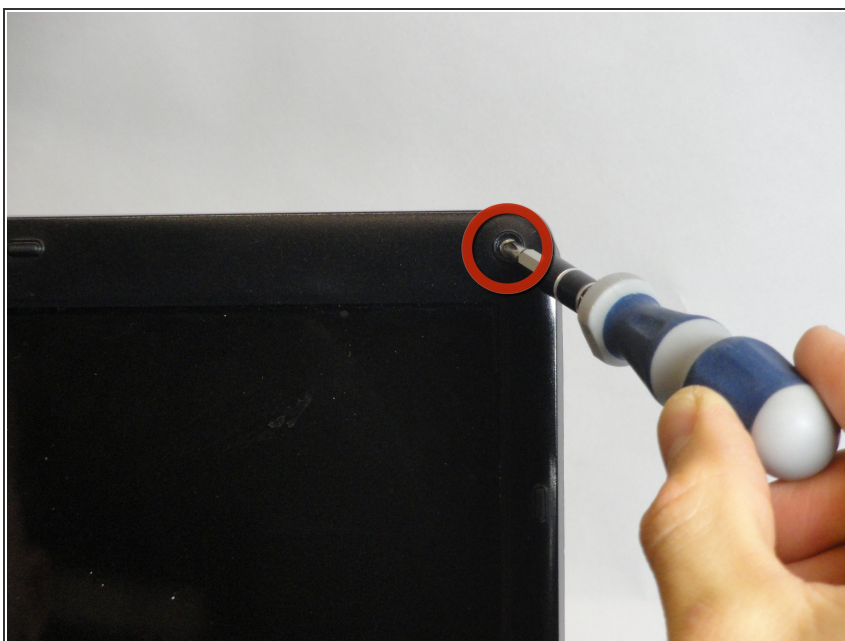
- Gently pull out the base and place it with the keyboard side up under the display.

Step 29



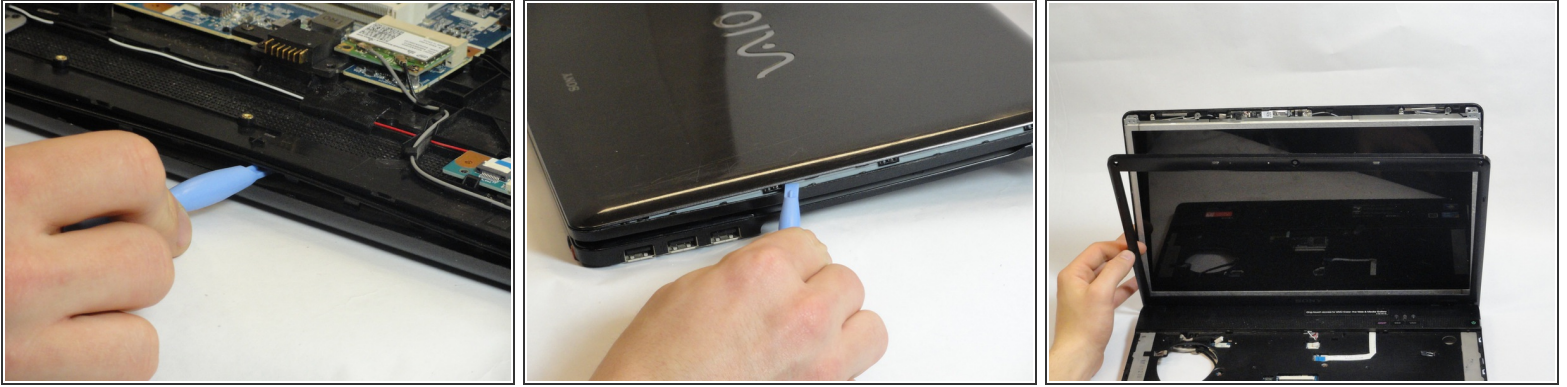
- Use the spudger tool remove the plastic covers on the four corners of the display.
- ⓘ If this is the first time they are being removed they will be held in place by glue. Some force may be required.

Step 30



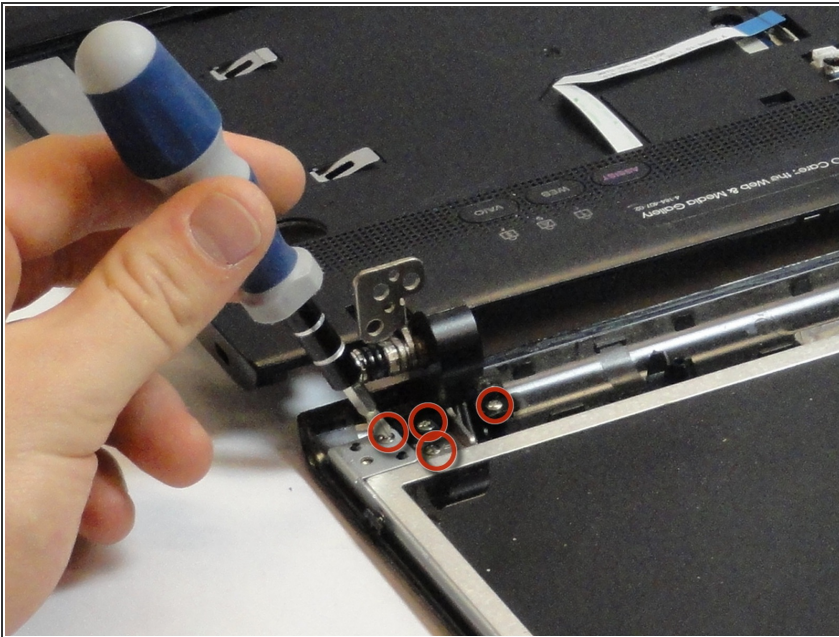
- Use a Phillips #00 screwdriver to remove the four 5.75-mm screws under the plastic covers.

Step 31



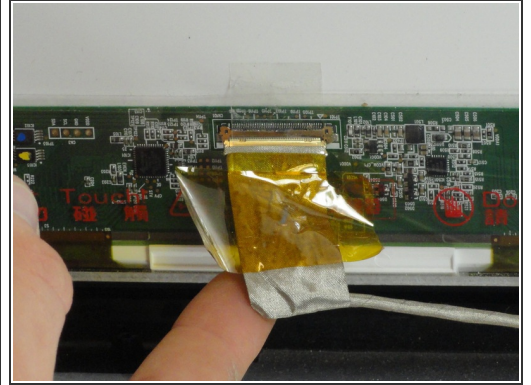
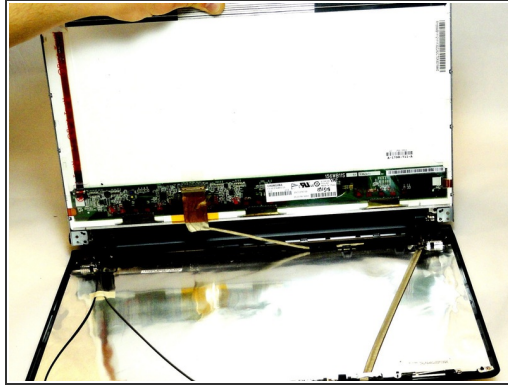
- Use the plastic opening tool to separate the plastic front cover by wedging the tool along the seam.
- Flip the laptop to the other side. If the front cover is still attached continue using the plastic opening tool to separate.
- Carefully lift up the display. Completely detach the front plastic cover.


Step 32



- Use a Phillips #00 screwdriver to remove the four 5.65-mm screws on each bottom corner of the display.

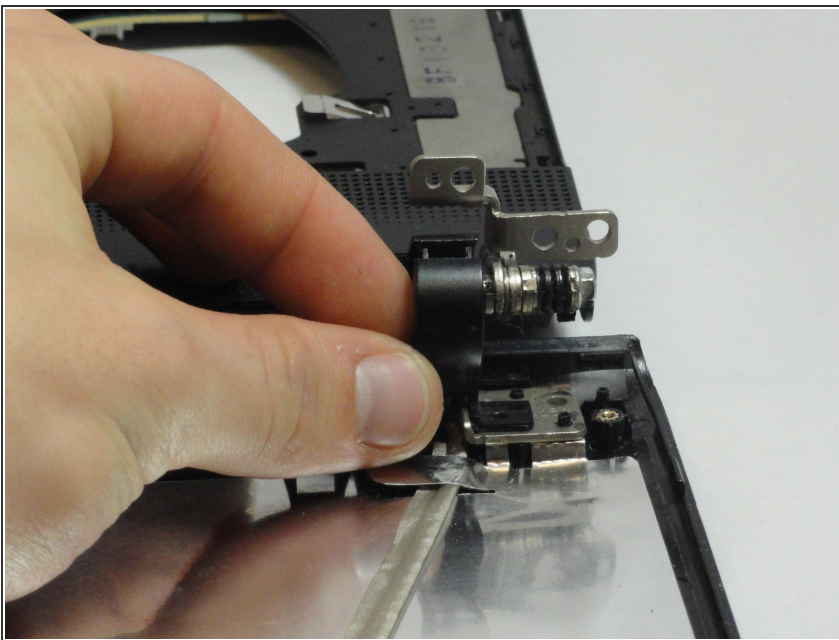
Step 33



 Do not pull too hard to avoid damage to the connections.

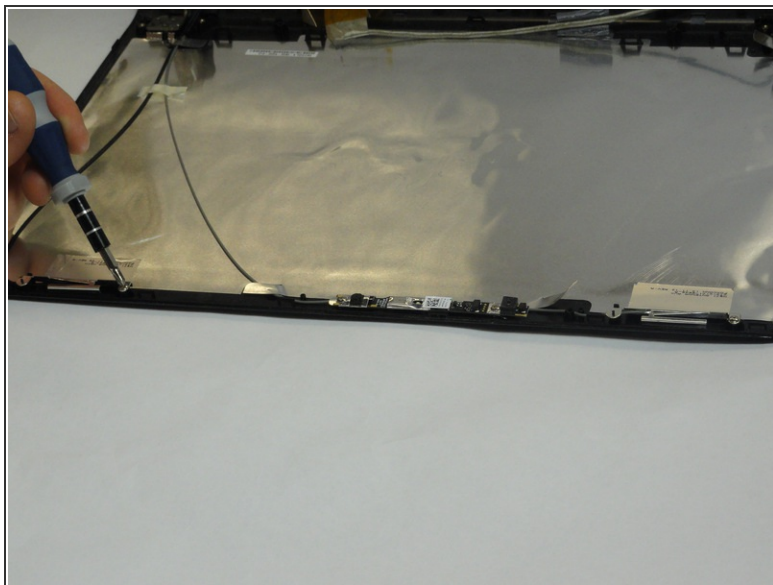
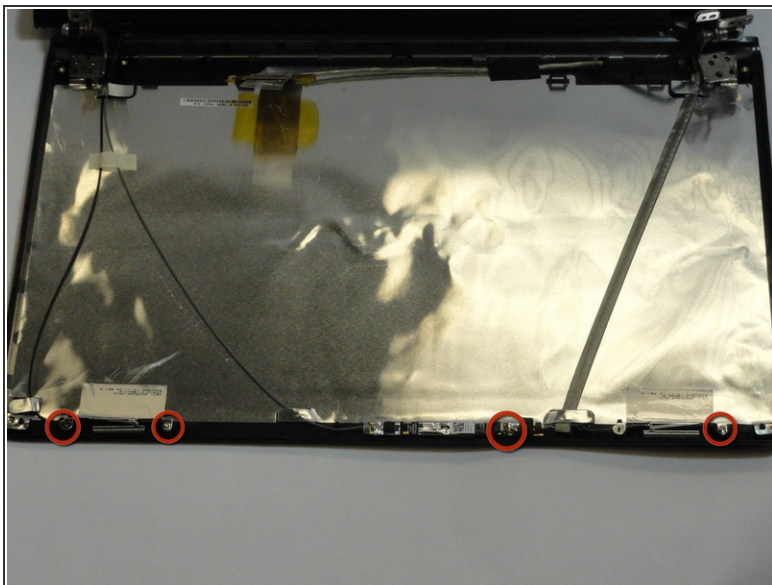
- Gently lift and pull the LCD screen up. The back of the screen has a connection attached by yellow tape.
- Holding the silver flap underneath the yellow tape, pull up and disconnect the wire.
- Place the LCD screen aside.

Step 34



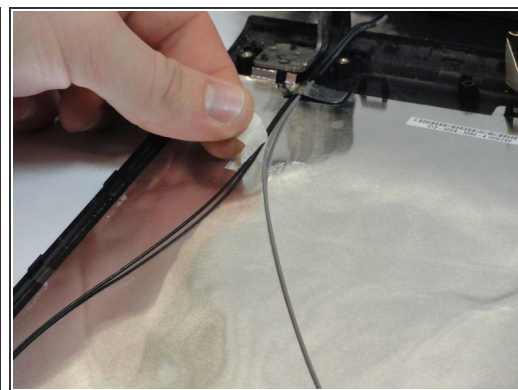
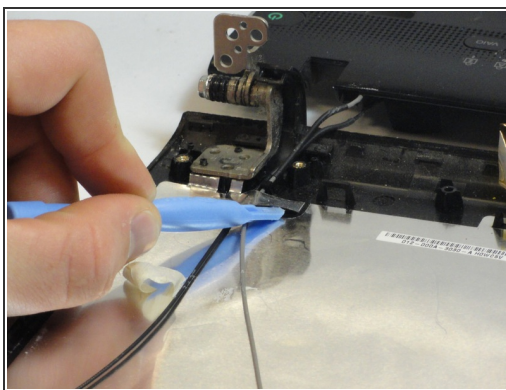
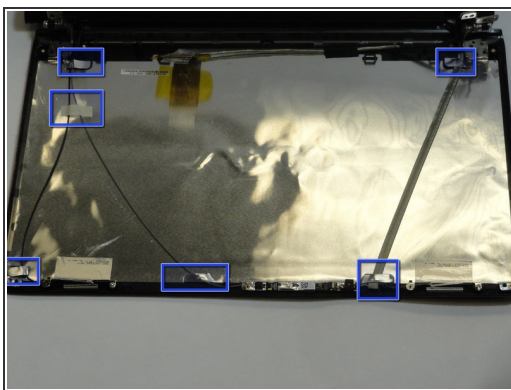
- Grab a hold of the black plastic hinge and pull out completely.
- Repeat for the other side.

Step 35



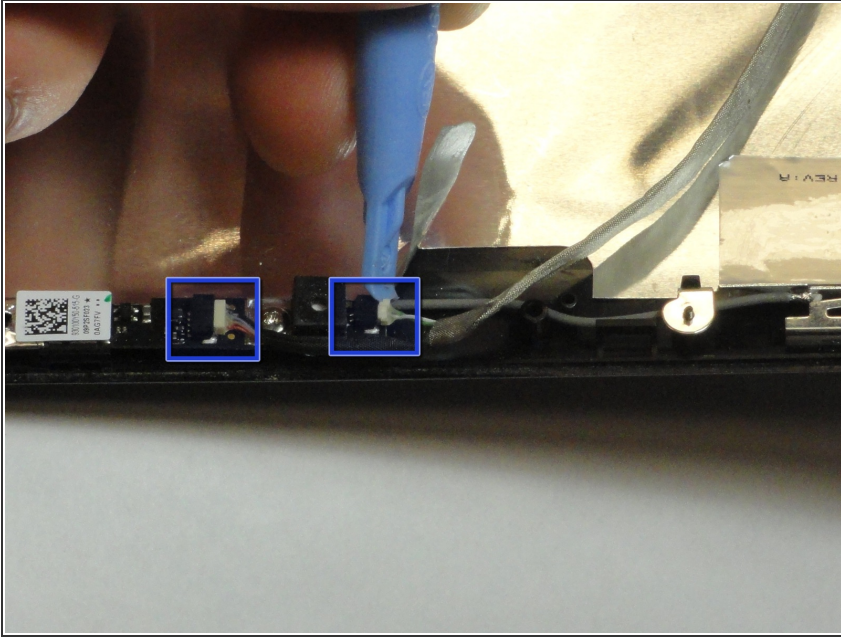
- Use a Phillips #00 screwdriver to remove the four 3.15-mm screws at top of the display.

Step 36



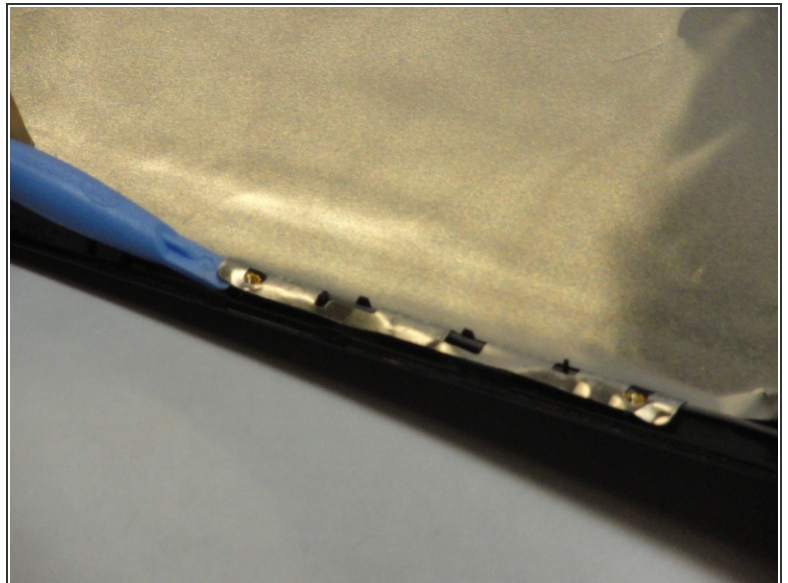
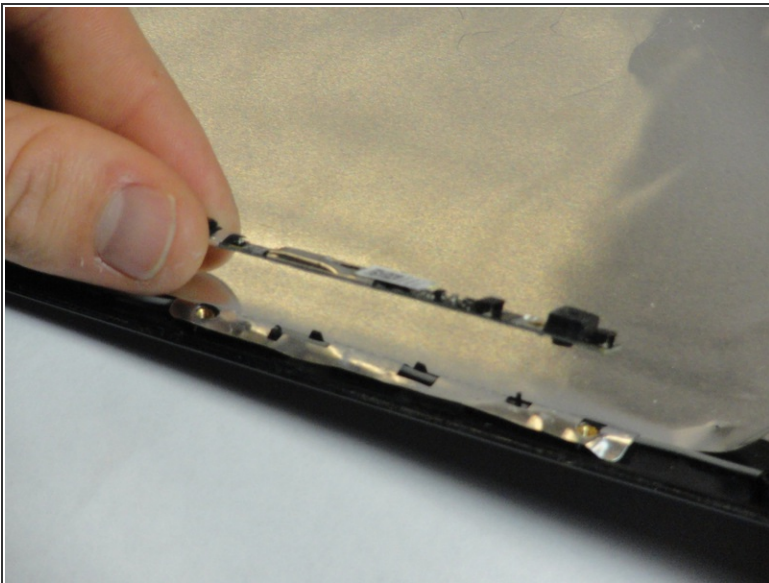
- Use the plastic opening tool to gently fold back all metal flaps at the beginnings and ends of wires.
- Remove the tape holding a thin black and gray wire in place.

Step 37



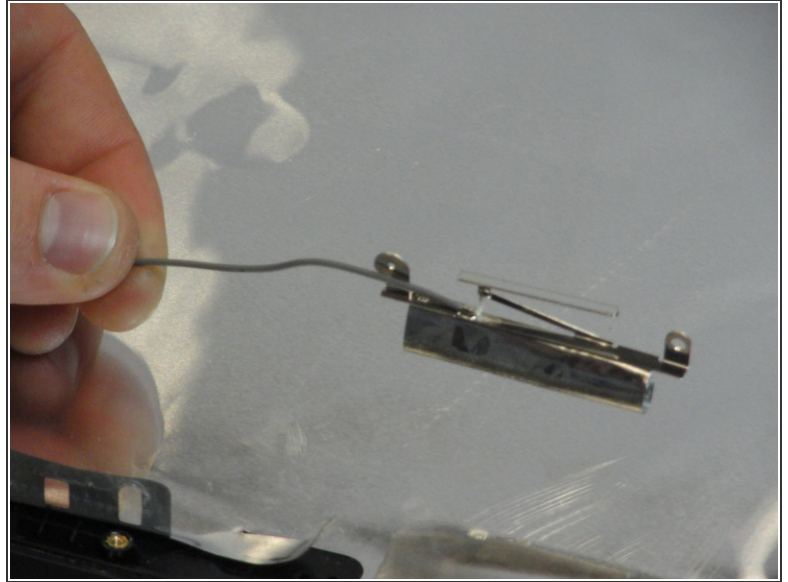
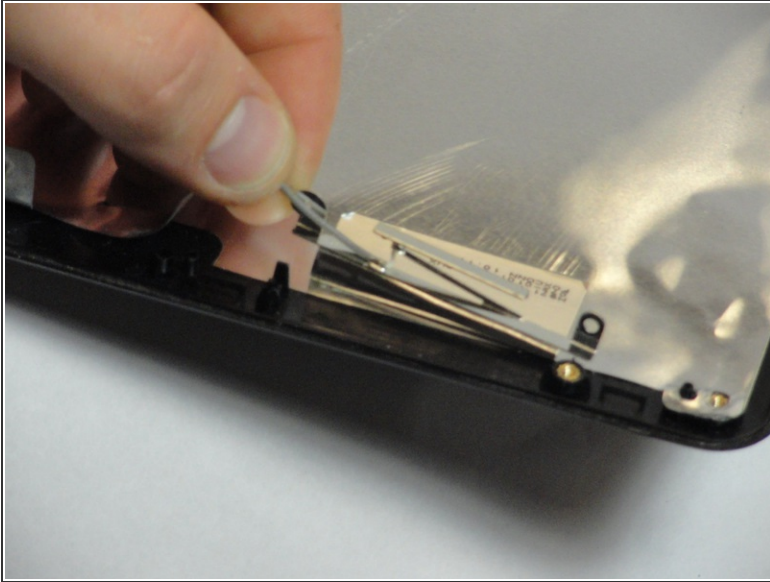
- Use a plastic opening tool to loosen and remove the two connections at the top end of the wire with a thick silver covering.
- ⓘ Metal tweezers may also be used to remove the connections.

Step 38



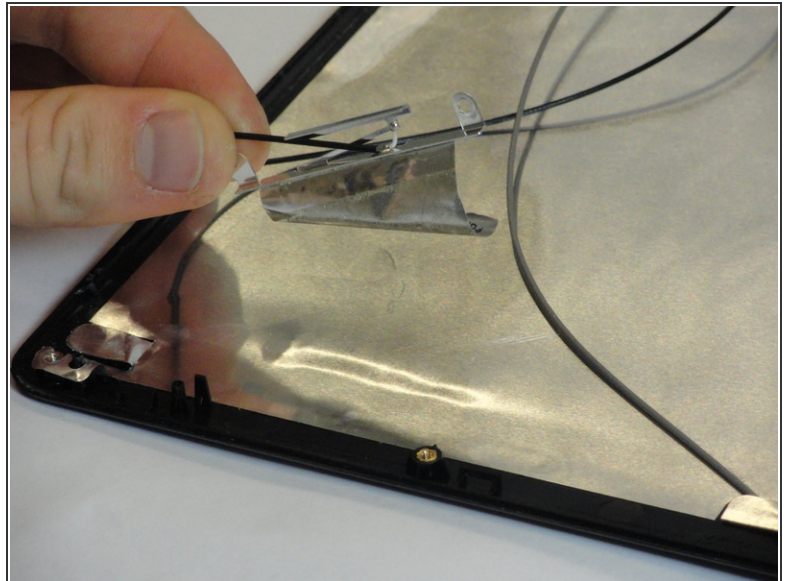
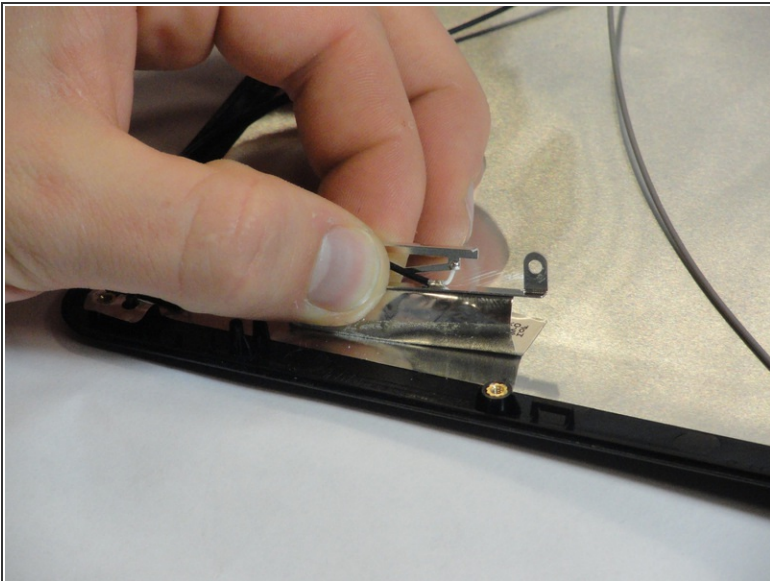
- Carefully pull the webcam and to remove it.
- Fold back the metal flap under the webcam with the plastic opening tool.

Step 39



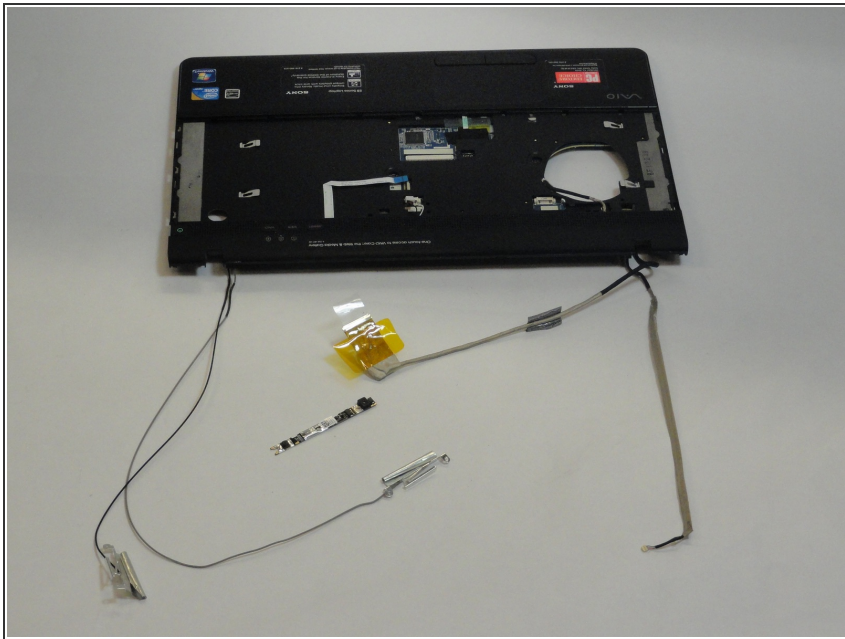
- Pull back the silver tape attaching the gray wire.

Step 40



- Pull back the silver tape attaching the black wire

Step 41



- Remove the bottom cover.
- The laptop is now fully detached from the display.

To reassemble your device, follow these instructions in reverse order.

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